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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

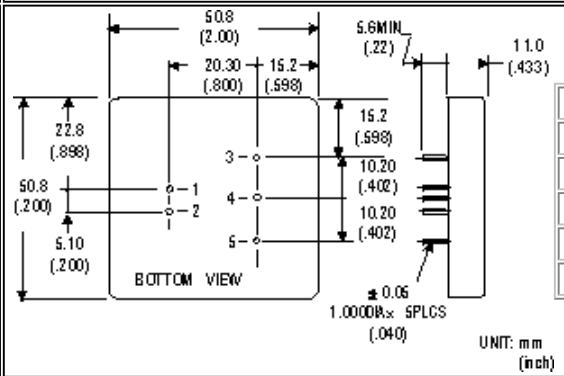
DKE15A SERIES

Jameco Part Number 161728 (DKE15A-12)

- .2:1 WIDE INPUT RANGE
- .4:1 INPUT IS AVIALABLE
- .REGULATED DC OUTPUT
- .1K VDC I/P ISOLATION
- .1K~3KVDC ISOLATION (OPTIONAL)
- .EPOXY ENCAPSULATED
- .HIGH PERFORMACE / LOW COST
- .SHORT CIRCUIT PROTECTION
- .OVER CURRENT PROTECTION
- .FREE AIR CONVECTION
- .100% BURN-IN TEST
- .1 YEAR WARRANTY

MODEL / SPECIFICATION	DKE15A-05	DKE15A-12	DKE15A-15	DKE15A-24
DC OUTPUT VOLTAGE	±5V	±12V	±15V	±24V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	±1500mA	±625mA	±500mA	±313mA
OUTPUT CURRENT RANGE	150-±1500mA	62.5-±625mA	50-±500mA	31.3-±313mA
RIPPLE & NOISE	50mVp-p	60mVp-p	60mVp-p	80mVp-p
LINE REGULATION	±0.3%	±0.3%	±0.3%	±0.3%
LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
DC OUTPUT POWER	15W	15W	15W	15W
EFFICIENCY	81%	82%	82%	82%
SWITCHING FREQUENCY	150KHz (TYPICAL)			
INPUT VOLTAGE RANGE	9~18VDC			
INPUT CURRENT	1.7A/12VDC; 40mA @ NO LOAD (TYPICAL)			
SHORT CIRCUIT PROTECTION	CONTINOUS			
OVER CURRENT PROTECTION	160~250% AUTO RECOVERY			
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)			
ISOLATION VOLTAGE	I/P-O/P:1K VDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:100M Ohms MIN. @500VDC			
TRANSIENT RESPONSE	250u sec FOR 25% LOAD STEP CHANGE			
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH			
DIMENSION	2"*2"*0.43"			
WEIGHT	65g			
CASE METERIAL	SIX-SIDE SHIELD OF METAL CASE			

MECHANISM AND PIN CONFIGURATION



Pin no.	Output
1	+Vin
2	-Vin
3	+Vout
4	COM
5	-Vout

NOTE :
1. ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

2002-06-24

MEAN WELL

SWITCHING POWER SUPPLY

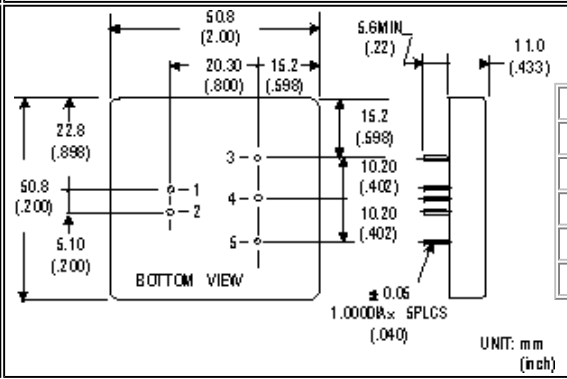
ISO-9001 CERTIFIED MANUFACTURER

DKE15B SERIES

.2:1 WIDE INPUT RANGE
.4:1 INPUT IS AVIALABLE
.REGULATED DC OUTPUT
.1K VDC I/P ISOLATION
.1K~3KVDC ISOLATION (OPTIONAL)
.EPOXY ENCAPSULATED
.HIGH PERFORMACE / LOW COST
.SHORT CIRCUIT PROTECTION
.OVER CURRENT PROTECTION
.FREE AIR CONVECTION
.100% BURN-IN TEST
.1 YEAR WARRANTY

MODEL / SPECIFICATION	DKE15B-05	DKE15B-12	DKE15B-15	DKE15B-24
DC OUTPUT VOLTAGE	±5V	±12V	±15V	±24V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	±1500mA	±625mA	±500mA	±313mA
OUTPUT CURRENT RANGE	150-±1500mA	62.5-±625mA	50-±500mA	31.3-±313mA
RIPPLE & NOISE	50mVp-p	60mVp-p	60mVp-p	80mVp-p
LINE REGULATION	±0.3%	±0.3%	±0.3%	±0.3%
LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
DC OUTPUT POWER	15W	15W	15W	15W
EFFICIENCY	83%	83%	83%	84%
SWITCHING FREQUENCY	150KHz (TYPICAL)			
INPUT VOLTAGE RANGE	18~36VDC			
INPUT CURRENT	0.8A/24VDC; 20mA @ NO LOAD (TYPICAL)			
SHORT CIRCUIT PROTECTION	CONTINOUS			
OVER CURRENT PROTECTION	160~250% AUTO RECOVERY			
TEMP. COEFFICIENT	±0.03% / ° C (0~50° C)			
ISOLATION VOLTAGE	I/P-O/P:1K VDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:100M Ohms MIN. @500VDC			
TRANSIENT RESPONSE	250u sec FOR 25% LOAD STEP CHANGE			
WORKING TEMP., HUMIDITY	-15° C~+60° C, 20%~90% RH (NO DERATING); 80% LOAD @ 71° C			
STORAGE TEMP., HUMIDITY	-25° C~+85° C, 10%~95% RH			
DIMENSION	2"*2"*0.43"			
WEIGHT	65g			
CASE METERIAL	SIX-SIDE SHIELD OF METAL CASE			

MECHANISM AND PIN CONFIGURATION



Pin no.	Output
1	+Vin
2	-Vin
3	+Vout
4	COM
5	-Vout

NOTE :
1.ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25° C 70% RH. AMBIENT.
2.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

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- .OVER CURRENT PROTECTION
- .FREE AIR CONVECTION
- .100% BURN-IN TEST
- .1 YEAR WARRANTY

MODEL / SPECIFICATION	DKE15C-05	DKE15C-12	DKE15C-15	DKE15C-24
DC OUTPUT VOLTAGE	±5V	±12V	±15V	±24V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	±1500mA	±625mA	±500mA	±313mA
OUTPUT CURRENT RANGE	150-±1500mA	62.5-±625mA	50-±500mA	31.3-±313mA
RIPPLE & NOISE	50mVp-p	60mVp-p	60mVp-p	80mVp-p
LINE REGULATION	±0.3%	±0.3%	±0.3%	±0.3%
LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
DC OUTPUT POWER	15W	15W	15W	15W
EFFICIENCY	79%	82%	82%	85%
SWITCHING FREQUENCY	150KHz (TYPICAL)			
INPUT VOLTAGE RANGE	36~72VDC			
INPUT CURRENT	0.4A/48VDC; 10mA @ NO LOAD (TYPICAL)			
SHORT CIRCUIT PROTECTION	CONTINOUS			
OVER CURRENT PROTECTION	160~250% AUTO RECOVERY			
TEMP. COEFFICIENT	±0.03% / ° C (0~50° C)			
ISOLATION VOLTAGE	I/P-O/P:1K VDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:100M Ohms MIN. @500VDC			
TRANSIENT RESPONSE	250u sec FOR 25% LOAD STEP CHANGE			
WORKING TEMP., HUMIDITY	-15° C~+60° C, 20%~90% RH (NO DERATING); 80% LOAD @ 71° C			
STORAGE TEMP., HUMIDITY	-25° C~+85° C, 10%~95% RH			
DIMENSION	2"*2"*0.43"			
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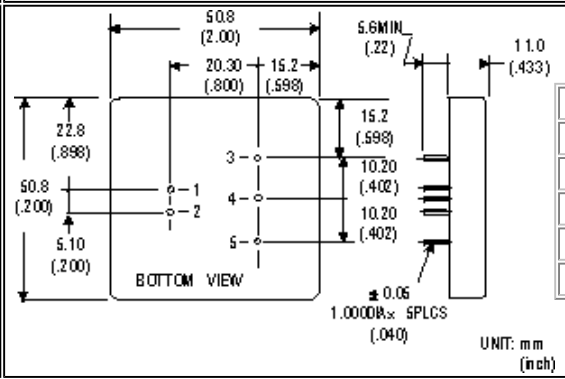

Pin no.	Output
1	+Vin
2	-Vin
3	+Vout
4	COM
5	-Vout

NOTE :
1. ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25° C 70% RH. AMBIENT.
2. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

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